

Title (en)
VEHICLES WITH DEMOUNTABLE BODIES

Publication
EP 0002056 B1 19831102 (EN)

Application
EP 78101382 A 19781116

Priority
• GB 82678 A 19780110
• GB 2242277 A 19771117

Abstract (en)
[origin: ES475192A1] A combination of a vehicle and a demountable body for transporting loads, the vehicle having a support which is movable between a horizontal position to support the body for transportation and an inclined position. The support carries an ended chain provided at one end with a hook for attachment to the body, and an endless chain provided with a pusher to engage the body, the chains being driven by a drive motor. The body has a guide arranged on lowering of the hook towards a lifting bar on the body, to guide the hook into engagement with the bar whereupon the hook is automatically releasably attached to the bar. With the support in its inclined position, the drive motor is operable in one direction to cause the ended chain to draw the body on to the vehicle either from a supporting surface below the support or from a supporting surface at the same height as the support, and the drive motor is operable in the reverse direction to cause the ended chain to control lowering of the body on to a supporting surface below the support. With the support in its horizontal position, the drive motor is operable in the reverse direction to cause the endless chain to push the body off the support on to a supporting surface at the same height as the support.

IPC 1-7
B60P 1/64

IPC 8 full level
B60P 1/64 (2006.01)

CPC (source: EP US)
B60P 1/6454 (2013.01 - EP US)

Citation (examination)
• US 2543156 A 19510227 - FRANCISCO ELIAS-REYES
• DE 1953822 A1 19701112 - WEYHAUSEN & CO MASCHINENFABRIK

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US6413033B1; US5203668A; DE3407568A1; US4943203A; US6276890B1; EP0221600A1; NL8600321A; US4737063A; US6250872B1; WO9858817A1

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EP 78101382 A 19781116; AU 4163978 A 19781116; CA 316398 A 19781117; DE 2862344 T 19781116; ES 475192 A 19781117; JP 14276078 A 19781117; US 96181878 A 19781117